

AK105254.q
15231097.p
15218652.p
15237244.p
lir3_IRK
lias_TGFBR
2phk_Phk

610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790

800

AK109788.q
AK109954.q
15238823.p
57050018.q
83592968.q
83562731.q
AK106925.q
57050012.q
83583613.q
57050004.q
51520005.q
57050005.q
83583593.q RYETIMVYDRERRGTYRKQAVQECVLIKADGGCTCSCMKFLHHLPCSHVIAAAGDCGISPNVVSNFFRKEAIFHTWSEETYGRGISGSYTTLSAQVFYIPDPSKLRRVKKGRRQTRRIRNDMDESEAGGRTRLCSKCDLRGHETYKKCFKNAEVPSGQASDCMAXDTTALLNRAIDRNHRSLFSAVEVEAQLGTER
51520004.q
57050017.q
152228781.p
AK101339.q
15231681.p
15232759.p
15225044.p
AK105254.q
15231097.p
15218652.p
15237244.p
lir3_IRK
lias_TGFbR
2phk_Phik

810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990

100

AK109788.q MSPPHLLLLLALLSPL
AK109954.q MPMRHOALATTSFLLAAVA
15238823.p MALTISISCFSYYFVSLLL
57050018.q
83592968.q
83562731.q
AK106925.q
57050012.q
83583613.q
57050004.q
51520005.q
57050005.q
83583593.q PRTRSEWLVRVDPRHFWLRAAGLLPCLRLVEAAADDRPAKEKWDADRSLILAALVDRWRPETHTFHLPGEMAPTLQDVSYILGLPLAGAVGVFDGVFGWKEDITARFEVMRPLHGTSTLPPYSTVGPSSKA
51520004.q LLQFTADLLHPEADDYSVRSLEAYLILWLFGVWMPTSTGHAVDPRLVHYARSIAADAQPQDPVQW
57050017.q
15228781.p MDIVVVVA
AK101339.q LCCCLVLD
15231681.p -MRMFETRA
15232759.p WILLVVKLVLFITSIWQLASALGMSMSS
15225044.p METRCSSLFLSLILLYL
AK105254.q MQP
15231097.p NSHIFVIITISSLI
15218652.p ITVSAYGSTGT
15237244.p
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liais_TGFB
2phk Phk
2phk Phk

1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190

1200

AK109788.q LLASS-SFPLPTIAIAAVNSSSNPSKQHLACGLPVAAGGAAAGYRISCAVSNSRASAAHPHYAYGGDGTCSPPSVAVGAGDGYLCSSAAP-TSSPPMSMRNWDLINNEAGDAS
 AK109954.q VFLPG-RAARQFSTVAISNPD--ATVVCALVRPKD--VPDDVPGAKLRCSTSMPGEVMSYP--SADVPYNATAAAGTDFLCGLMA-PNGHGAAMRWFSDEAAAANR-RPVGRRLYWGPSSLRALSGAGPHVCGLSDAHD-PTCWEDL-GLSLTKGLDFSRIALGRFLCCVVKGNASAMTCFGGMAPFAAGAAS
 15238823.p LVLSFSFVCFSLSTWSIHSIN--QTLVCALN--NHSYLCQSSFPPLNSIPFSLTGNLR--NRRESGVVSNCNGFVCGLISRLDENTSTLLCWRFSDVGTNMLH--KRYTHGPELELEAGNFRICGVVERVSRRRLRCWQPY--YLRRPDNYR-SIALGDNFFCQLSQP-PGMISCEG-IAKVSPSGDH
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 51520005.q
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MVGSGVARDCLYHLLDCSAVGTAAAAASSSSRDSV

83583593.q SWGSVAVLAATYRALCEACTKTDAGAIIAAGCPMLLQLWAAERFAIGRPPVDSAPYGVGRSAQWPEDGFTMGTYCRRGVRRGYFDFVFEFDRLQPSPDVIIWEPYTEAARAPLGLSSLCTRDLQDWLTILPMPVDIFVEPHCPQRVMRQFGLRQVFPGNVQPTVPPSDHSLTRRGQLAGALWAPRVRQQYVDDWVLATEEV
 51520004.q
 57050017.q
 15228781.p LLSSPVTSLGSGSTYAVVYGSDEVCALISQQTQRLCYDTRLNINVTLNPGVSFSSIAAGDNFLCGIERSGGYSLLCWDNIGSYSPNRKRIVQNDNVLLETLSVGDQKQICATVNGINSLKCWRSVSQSKPPNERFRSISGG--VGFSGCVSLRNRRILCWGIDPVKSQNIQTGFGNTPMVIIASGHACLNITGNL
 AK101339.q IAVSYGEDPVFCGLNSDGSHLVTCFGADASVYVGAPSR-IPFGVTAAGDGFCAGLLDTNQPYCWGS-NSYVKIGVQPMVEGAMYSELSAQDNLCAIR-TSVKG--FHSGLDTSVIDCWGNTAHTVIGAVSAISAGVFNCGLFARNTRVFCWGDSESVGPIGLARPNVR
 15231681.p IAISYEGGSVPCGLKSGDSHLVVCYGSNSAILEYPTGPH-LOFIQLTGGDFMCGLLMSHQPYCWGS-SAFIQMVGEQPMTKGAEVYLESSAGDYLHLCIR-KPITVGRKNSNLISSSLVDCWGYNTMRNFVFDKQLHSLSAGSEFNCAKSDKSVFCWGDENSQSVLIPKEKK
 15232759.p IAASFGGSA-FFCAIDASGRQDVICWGKNYSSPSSPSSSSSSSIASSTSASYNIPSMAVLSSGGDGFLCGILSNTSQAFCSSSLGSSGMDLVPLAYRTTAYSQIAAGNSHVCAVRGAYYSDHDSGTIDCWEITRATNNNSLIAKENFNYDQIVSNLVFNIVSGDGFSCGG-IRDGGMLCFGPN--SSNLGFNTTSND
 15225044.p IAAAFGENG-FFCAIDASGKQEVICWDGRNTINRLSNRPPGEISCGY--PMTSLSGGEGFLCAITSNTSRAFCWNLEDPS-E-NLVPRAFQYNSYLQIASGNHHVCAISGLYYSGPDYGVHCEWEYSDNTFTSGLLWN-SSFHNPYIDSLMFRKIVSGDGFSCGV-TKDDGLVCGPK--SNLNFNSNNEE-
 AK105254.q
 15231097.p
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 lir3_IRK
 lias_TGFbR
 2phb_PhK

	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790				
1800					
AK109788.q	GDVSVCYPCGGYTF					
AK10954.q	EQLVVVQCPCKLPL					
15238823.p	ELIMCD					
57050018.p	DDETEGASDYPMA	GTLGYTDPECMIT	TMYPKPTMRHCDAGVL	FALPLI	RAGE	VWELLDRRL	LATEPTAKO	AAELVA	TAASCVOL	EGKDRPAMS	EVVAKLQEAVL	WEVGMDRMATIA	OALTGVDA	GLISTIVCAA	OAVCRNKFTC	COELVRE	TOI	ERDLRMLDPE	EMMC	CREIVNVLS	GLECTE	KEYALVTS	PSRCRDGST

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lir3_IRK
lias_TGFbR
2phk_Phk ATADRVQCFDCS
ERSDQVCVYNCs
ANSRICTP-CS
INADRVCTP-CS

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15231097.p
15218652.p
15237244.p
lir3_IRK
lias_TGFbR
2-hk_DbR

